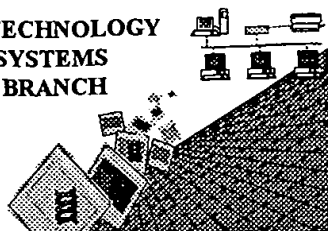


## RAW SEQUENCE LISTING ERROR REPORT

BIOTECHNOLOGY  
SYSTEMS  
BRANCH



0590  
04/6

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/943,944  
Source: PIPE  
Date Processed by STIC: 4/11/2003

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN ASSISTANCE: e-mail: [robert.wax@uspto.gov](mailto:robert.wax@uspto.gov) Telephone: 703-306-4119

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202  
EFFECTIVE MAY 1, 2003 (via USPS): Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to:  
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7<sup>th</sup> Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202  
Or  
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
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Revised 04/01/2003



OIPE

## RAW SEQUENCE LISTING

DATE: 05/01/2003

PATENT APPLICATION: US/09/943,944D

TIME: 14:34:13

Input Set : N:\Crf4\04112003\I934944D.raw

Output Set: N:\CRF4\05012003\I943944D.raw

1 <110> APPLICANT: Ptashne, et al.,  
 2 <120> TITLE OF INVENTION: Transcriptional Activation System, Activators, and Uses  
 3 Therefor  
 4 <130> FILE REFERENCE: 0342941-0065  
 C--> 5 <140> CURRENT APPLICATION NUMBER: US/09/943,944D  
 6 <141> CURRENT FILING DATE: 2001-08-31  
 7 <160> NUMBER OF SEQ ID NOS: 238  
 8 <170> SOFTWARE: PatentIn Ver. 2.1  
 10 <210> SEQ ID NO: 1  
 11 <211> LENGTH: 11  
 12 <212> TYPE: PRT  
 13 <213> ORGANISM: Artificial Sequence  
 14 <220> FEATURE:  
 15 <223> OTHER INFORMATION: Description of Artificial Sequence: Random peptide  
 16 sequences.  
 17 <400> SEQUENCE: 1  
 18 Trp Thr Asp Gln Thr Ala Tyr Asn Ala Phe Gly  
 19 1 5 10  
 21 <210> SEQ ID NO: 2  
 22 <211> LENGTH: 18  
 23 <212> TYPE: DNA  
 24 <213> ORGANISM: Artificial Sequence  
 25 <220> FEATURE:  
 26 <221> NAME/KEY: misc\_feature  
 27 <222> LOCATION: (9)..(10)  
 28 <223> OTHER INFORMATION: n = any amino acid  
 29 <220> FEATURE:  
 30 <221> NAME/KEY: misc\_feature  
 31 <222> LOCATION: (12)..(13)  
 32 <223> OTHER INFORMATION: n = any amino acid  
 33 <220> FEATURE:  
 34 <223> OTHER INFORMATION: Description of Artificial Sequence: Random peptide  
 35 sequences.  
 36 <400> SEQUENCE: 2  
 W--> 37 ccccctctnn cnnccctc  
 39 <210> SEQ ID NO: 3  
 40 <211> LENGTH: 18  
 41 <212> TYPE: DNA  
 42 <213> ORGANISM: Artificial Sequence  
 43 <220> FEATURE:  
 44 <223> OTHER INFORMATION: Description of Artificial Sequence: Random peptide  
 45 sequences.  
 46 <400> SEQUENCE: 3

see pp 1-6

Per Sequence Rules,  
 'n' can only represent a single  
nucleotide

This  
 Sequence is  
 not a  
 peptide  
 Sequence

This  
 Sequence  
 is not a  
 peptide  
 Sequence

## RAW SEQUENCE LISTING

DATE: 05/01/2003

PATENT APPLICATION: US/09/943,944D

TIME: 14:34:13

Input Set : N:\Crf4\04112003\I934944D.raw

Output Set: N:\CRF4\05012003\I943944D.raw

```

47      attccgccac cgtatttc                                18
49 <210> SEQ ID NO: 4
50 <211> LENGTH: 6
51 <212> TYPE: PRT
52 <213> ORGANISM: Artificial Sequence
53 <220> FEATURE:
54 <223> OTHER INFORMATION: Description of Artificial Sequence:Random peptide
55      sequences.
56 <400> SEQUENCE: 4
57      Ile Pro Pro Pro Tyr Phe
58      1                5
60 <210> SEQ ID NO: 5
61 <211> LENGTH: 18
62 <212> TYPE: DNA
63 <213> ORGANISM: Artificial Sequence
64 <220> FEATURE:
65 <223> OTHER INFORMATION: Description of Artificial Sequence:Random peptide
66      sequences
67 <400> SEQUENCE: 5
68      ctgcccgggt ctttcttc                                18
70 <210> SEQ ID NO: 6
71 <211> LENGTH: 6
72 <212> TYPE: PRT
73 <213> ORGANISM: Artificial Sequence
74 <220> FEATURE:
75 <223> OTHER INFORMATION: Description of Artificial Sequence:Random peptide
76      sequences.
77 <400> SEQUENCE: 6
78      Leu Pro Gly Cys Phe Phe
79      1                5
81 <210> SEQ ID NO: 7
82 <211> LENGTH: 18
83 <212> TYPE: DNA
84 <213> ORGANISM: Artificial Sequence
85 <220> FEATURE:
86 <223> OTHER INFORMATION: Description of Artificial Sequence:Random peptide
87      sequences
88 <400> SEQUENCE: 7
89      cagctccccc cctggtta                                18
91 <210> SEQ ID NO: 8
92 <211> LENGTH: 6
93 <212> TYPE: PRT
94 <213> ORGANISM: Artificial Sequence
95 <220> FEATURE:
96 <223> OTHER INFORMATION: Description of Artificial Sequence:Random peptide
97      sequences.
98 <400> SEQUENCE: 8
99      Gln Leu Pro Pro Trp Leu
100     1                5

```

*this is not a peptide Sequence.*

*not a peptide Sequence*

## RAW SEQUENCE LISTING

DATE: 05/01/2003

PATENT APPLICATION: US/09/943,944D

TIME: 14:34:13

Input Set : N:\Cr4\04112003\I934944D.raw

Output Set: N:\CRF4\05012003\I943944D.raw

102 <210> SEQ ID NO: 9  
103 <211> LENGTH: 18  
104 <212> TYPE: DNA  
105 <213> ORGANISM: Artificial Sequence  
106 <220> FEATURE:  
107 <223> OTHER INFORMATION: Description of Artificial Sequence: Random peptide  
108 sequences.  
109 <400> SEQUENCE: 9  
110 tactggccct ccccccctc 18  
112 <210> SEQ ID NO: 10  
113 <211> LENGTH: 6  
114 <212> TYPE: PRT  
115 <213> ORGANISM: Artificial Sequence  
116 <220> FEATURE:  
117 <223> OTHER INFORMATION: Description of Artificial Sequence: Random peptide  
118 sequences.  
119 <400> SEQUENCE: 10  
120 Tyr Trp Pro Ser Pro Phe  
121 1 5  
123 <210> SEQ ID NO: 11  
124 <211> LENGTH: 18  
125 <212> TYPE: DNA  
126 <213> ORGANISM: Artificial Sequence  
127 <220> FEATURE:  
128 <223> OTHER INFORMATION: Description of Artificial Sequence: Random peptide  
129 sequences.  
130 <400> SEQUENCE: 11  
131 gagttcccct atgacttg 18  
133 <210> SEQ ID NO: 12  
134 <211> LENGTH: 6  
135 <212> TYPE: PRT  
136 <213> ORGANISM: Artificial Sequence  
137 <220> FEATURE:  
138 <223> OTHER INFORMATION: Description of Artificial Sequence: Random peptide  
139 sequences.  
140 <400> SEQUENCE: 12  
141 Glu Phe Pro Tyr Asp Leu  
142 1 5  
144 <210> SEQ ID NO: 13  
145 <211> LENGTH: 18  
146 <212> TYPE: DNA  
147 <213> ORGANISM: Artificial Sequence  
148 <220> FEATURE:  
149 <223> OTHER INFORMATION: Description of Artificial Sequence: Random peptide  
150 sequences.  
151 <400> SEQUENCE: 13  
152 accgccgaat tccccctc 18  
154 <210> SEQ ID NO: 14  
155 <211> LENGTH: 6

*not a peptide Sequence**not a peptide Sequence**not a peptide Sequence*

## RAW SEQUENCE LISTING

DATE: 05/01/2003

PATENT APPLICATION: US/09/943,944D

TIME: 14:34:13

Input Set : N:\Crf4\04112003\I934944D.raw

Output Set: N:\CRF4\05012003\I943944D.raw

156 <212> TYPE: PRT  
 157 <213> ORGANISM: Artificial Sequence  
 158 <220> FEATURE:  
 159 <223> OTHER INFORMATION: Description of Artificial Sequence:Random peptide  
 160 sequences.  
 161 <400> SEQUENCE: 14  
 162 Thr Ala Glu Phe Pro Leu  
 163 1 5  
 165 <210> SEQ ID NO: 15  
 166 <211> LENGTH: 18  
 167 <212> TYPE: DNA  
 168 <213> ORGANISM: Artificial Sequence  
 169 <220> FEATURE:  
 170 <223> OTHER INFORMATION: Description of Artificial Sequence:Random peptide  
 171 sequences.  
 172 <400> SEQUENCE: 15  
 173 caatttctag acgcactt 18  
 175 <210> SEQ ID NO: 16  
 176 <211> LENGTH: 6  
 177 <212> TYPE: PRT  
 178 <213> ORGANISM: Artificial Sequence  
 179 <220> FEATURE:  
 180 <223> OTHER INFORMATION: Description of Artificial Sequence:Random peptide  
 181 sequences.  
 182 <400> SEQUENCE: 16  
 183 Gln Phe Leu Asp Ala Leu  
 184 1 5  
 186 <210> SEQ ID NO: 17  
 187 <211> LENGTH: 18  
 188 <212> TYPE: DNA  
 189 <213> ORGANISM: Artificial Sequence  
 190 <220> FEATURE:  
 191 <223> OTHER INFORMATION: Description of Artificial Sequence:Random peptide  
 192 sequences.  
 193 <400> SEQUENCE: 17  
 194 acattccctg accccttc 18  
 196 <210> SEQ ID NO: 18  
 197 <211> LENGTH: 6  
 198 <212> TYPE: PRT  
 199 <213> ORGANISM: Artificial Sequence  
 200 <220> FEATURE:  
 201 <223> OTHER INFORMATION: Description of Artificial Sequence:Random peptide  
 202 sequences.  
 203 <400> SEQUENCE: 18  
 204 Thr Phe Pro Asp Pro Phe  
 205 1 5  
 207 <210> SEQ ID NO: 19  
 208 <211> LENGTH: 18  
 209 <212> TYPE: DNA

*this is not a peptide Sequence**not a peptide Sequence**P-5*

## RAW SEQUENCE LISTING

DATE: 05/01/2003

PATENT APPLICATION: US/09/943,944D

TIME: 14:34:13

Input Set : N:\CrF4\04112003\I934944D.raw

Output Set: N:\CRF4\05012003\I943944D.raw

↓ Please correct  
this type of error  
in subsequent

210 &lt;213&gt; ORGANISM: Artificial Sequence

211 &lt;220&gt; FEATURE:

212 &lt;221&gt; NAME/KEY: misc\_feature

213 &lt;222&gt; LOCATION: (10)

214 &lt;223&gt; OTHER INFORMATION: n = any amino acid

215 &lt;220&gt; FEATURE:

216 &lt;221&gt; NAME/KEY: misc\_feature

217 &lt;222&gt; LOCATION: (12)

218 &lt;223&gt; OTHER INFORMATION: n = any amino acid

219 &lt;220&gt; FEATURE:

220 &lt;223&gt; OTHER INFORMATION: Description of Artificial Sequence: Random peptide

221 sequences.

222 &lt;400&gt; SEQUENCE: 19

W--&gt; 223 atcgcccan cnccttttc

18

225 &lt;210&gt; SEQ ID NO: 20

226 &lt;211&gt; LENGTH: 18

227 &lt;212&gt; TYPE: DNA

228 &lt;213&gt; ORGANISM: Artificial Sequence

229 &lt;220&gt; FEATURE:

230 &lt;223&gt; OTHER INFORMATION: Description of Artificial Sequence: Random peptide

231 sequences.

232 &lt;400&gt; SEQUENCE: 20

233 ttggattttt cctacgtc

18

235 &lt;210&gt; SEQ ID NO: 21

236 &lt;211&gt; LENGTH: 6

237 &lt;212&gt; TYPE: PRT

238 &lt;213&gt; ORGANISM: Artificial Sequence

239 &lt;220&gt; FEATURE:

240 &lt;223&gt; OTHER INFORMATION: Description of Artificial Sequence: Random peptide

241 sequences.

242 &lt;400&gt; SEQUENCE: 21

243 Leu Asp Phe Ser Tyr Val

244 1 5

246 &lt;210&gt; SEQ ID NO: 22

247 &lt;211&gt; LENGTH: 18

248 &lt;212&gt; TYPE: DNA

249 &lt;213&gt; ORGANISM: Artificial Sequence

250 &lt;220&gt; FEATURE:

251 &lt;223&gt; OTHER INFORMATION: Description of Artificial Sequence: Random peptide

252 sequences.

253 &lt;400&gt; SEQUENCE: 22

254 cccccaccac cctggccc

18

256 &lt;210&gt; SEQ ID NO: 23

257 &lt;211&gt; LENGTH: 6

258 &lt;212&gt; TYPE: PRT

259 &lt;213&gt; ORGANISM: Artificial Sequence

260 &lt;220&gt; FEATURE:

261 &lt;223&gt; OTHER INFORMATION: Description of Artificial Sequence: Random peptide

262 sequences.

"n" can only represent a single  
nucleotide

not a peptide sequence

not a peptide sequence

not a peptides sequence

Please  
Correct  
this type  
of error  
in subsequent  
sequences.

RAW SEQUENCE LISTING ERROR SUMMARY      DATE: 05/01/2003  
PATENT APPLICATION:    US/09/943,944D      TIME: 14:34:14

Input Set : N:\Crf4\04112003\I934944D.raw  
Output Set: N:\CRF4\05012003\I943944D.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:2; N Pos. 9,10,12,13  
Seq#:19; N Pos. 10,12  
Seq#:112; N Pos. 12  
Seq#:116; N Pos. 1,2,3,11,12,14  
Seq#:117; N Pos. 9  
Seq#:204; N Pos. 3,18  
Seq#:222; N Pos. 10

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 2

**VERIFICATION SUMMARY**

DATE: 05/01/2003

PATENT APPLICATION: US/09/943,944D

TIME: 14:34:14

Input Set : N:\Crf4\04112003\I934944D.raw

Output Set: N:\CRF4\05012003\I943944D.raw

L:5 M:270 C: Current Application Number differs, Replaced Current Application Number  
L:37 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0  
L:223 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:0  
L:1202 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:112 after pos.:0  
L:1256 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:116 after pos.:0  
L:1270 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:117 after pos.:0  
L:2192 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:204 after pos.:0  
L:2385 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:222 after pos.:0





Creation date: 10-14-2003  
Indexing Officer: YGEZAHEGN - YONATHAN GEZAHEGN  
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Legal Date: 09-27-2002

No.	Doccode	Number of pages
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Remarks:

Order of re-scan issued on .....